Docket No.: PF-0179-2 DIV Inventors: Bandman et al. Title: NOVEL HUMAN MAGE-LIKE PROTEIN Serial No.: To Be Assigned

5'	ACG	NGA		GCC A	TTC F	20 CCG P		CCC P	29 AAG K	AAG K		38 CTG L		CAG Q		AAG K	NAG X	56 GCT A
	GCC A	ACA T	65 GAG E	GGC G	CCC P	74 AGT S	GCT A	GCC A			GTG V	92 CCC P		ACG T	101 GGA G	CCT P	GGC G	110 AGG R
		GTG V	119 GCA A	GCC A	ACC T	128 CGG R	CCC P	AAG K	137 ACC T	ACC T	AAG K	146 TCG S	GGG G	AAG K	155 GCG A	CTG L	GCC A	164 AAG K
		CGG R	173 TGG W	GTG V	GAG E	182 CCT P	CAG Q	AAT N	191 GTT V		GCA A		GCT A	GCT A	209 GCC A	AAG K	GCC A	218 AAG K
		GCC A	227 ACG T	AGC S	ATC I	236 CCT P	GAG E	CCG P	245 GAG E		GCA A	254 GCT A	GCT A	GCC A	263 ACT T	GCT A	CAG Q	272 CAC H
	AGT S	GCT A	281 GAG E	CCC P	TGG W	290 GCC A	AGG R	ATG M			AAG K	308 AGG R	ACC T	AAG K	317 AAG K	TCC S	AAG K	326 CAC H
	CTG L	GAT D	335 GAT D	GAG E	TAT Y	344 GAG E	AGC S	AGC S	353 GAG E	GAG E	GAG E	362 AGA R	GAG E	ACT T	371 CCC P	GCG A	GTC V	380 CCA P
	CCC P	ACC T	389 TGG W	AGA R	GCA A		CAG Q	CCC P	407 TCA S		ACG T	416 GTG V	CGG R	GCT A	425 CAG Q	TTG L	GCC A	434 CCT P
		CCC P	443 CCG P	ATG M	GCC A	452 CCG P		TCC S	461 CAG Q	ATA I	CCC P	470 TCA S		CAC H	479 GTA V	CTG L	TGC C	488 CTG L
		CCC P	497 CGC R	AAC N	GTG V		CTT L	CTG L	515 CAG Q	GAG E	AGG R	524 GCA A	AAT N	AAG K	533 TTG L	GTG V	AAA K	542 TAC Y
	CTG L		551 ATT I	AAG K	GAC D		AAG K					578 AAG K		GCA A	587 GAC D	ATG M	CTG L	596 AAG K

FIGURE 1A

Docket No.: PF-0179-2 DIV Inventors: Bandman et al. Title: NOVEL HUMAN MAGE-LIKE PROTEIN

Serial No.: To Be Assigned

GAT D	GTC V	605 ATC I	AGA R	GAA E	614 TAT Y	GAT D	GAA E	623 CAT H	TTC F	CCT P	632 GAG E	ATC I	ATT I	641 GAA E	CGA R	GCA A	650 ACG T
TAC Y	ACC T	659 CTG L	GAA E	AAG K	668 AAG K	TTT F	GGG G	677 ATC I	CAC H	CTG L	686 AAG K	GAG E	ATC I	695 GAC D	AAG K	GAA E	704 GAA E
CAC H	CTG L	713 TAT Y	ATT I	CTT L	722 GTC V	TGC C	ACA T	731 CGG R	GAC D	TCC S	740 TCA S	GCT A	CGC R	749 CTC L	CTT L	GGA G	758 AAA K
ACC T	AAG K	767 GAC D	ACT T	CCC P	776 AGG R	CTG L	AGT S	785 CTC L		TTG L	794 GTG V	ATT I	CTG L	803 GGC G	GTC V	ATC I	812 TTC F
ATG M	AAT N	821 GGC G	AAC N	CGT R	830 GCC A	AGC S	GAG E	839 GCT A	GTC V	CTC L	848 TGG W	GAG E	GCA A	857 CTA L	CGC R	AAG K	866 ATG M
GGA G	CTG L	875 CGT R	CCT P	GGG G	884 GTG V	AGA R	CAT H	893 CCC P	CTC L	CTT L	902 GGA G	GAT D	CTA L	911 AGG R	AAA K	CTT L	920 CTC L
ACC T	TAT Y	929 GAG E	TTT F	GTA V	938 AAG K	CAG Q	AAA K	947 TAC Y	CTG L	GAC D	956 TAC Y	AGA R	CGA R	965 GTG V	CCC P	AAC N	974 AGC S
AAC N	CCC P	983 CCG P	GAG E	TAT Y	992 GAG E	TTC F		1001 TGG W	GGC G		1010 CGT R	TCC S		1019 CAT H	GAG E		1028 AGC S
AAG K		1037 AAA K	GTG V		1046 AGA R	TTC F		1055 GCA A	GAG E		1064 CAG Q	AAA K		1073 GAC D	CCT P		1082 GAC D
TGG W		1091 GCA A	CAG Q		1100 ATG M	GAG E		1109 GCA A	GAT D		1118 GCC A	TTG L		1127 GCT A	CTG L		1136 GCT A
GCT A		GCT A	GAG E		1154 GAA E	GCC A		1163 GCT A	GAA E		1172 AGA R	ACC T		1181 ATG M	GGA G		1190 GGA G
GAT D		1199 GCT A	GTG V		1208 GGG G	CCC P		1217 GCT A	GGG G		1226 ACÁ T	TTG L		1235 TTG L	AGC S		1244 TGA

CCT 3'

FIGURE 1B

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MAF P R P K K N L P Q P K X A A T E G P S A A S G V P O T SEQ ID NO-1 M G P G R EVAATRPKTTKS G KALAKTRW V E P Q N SEQ ID NO-1 HATAAE KEECPS SS P V L G D T P T S S P A A G - - GI 608993 QAPLAVEEDAS S T S T S S S F P S S F P S S S S GI 533511 HS Y P S R F L S AS S F T S A L S T V N M P R G Q K S K T GI 1165170 APDCEMQDSDAV - - -- - P V G GI 1040691 VVAAAAAKAKMATSIPEPEGAAAATAOHSA SEQID NO-1 --- A H Q P Q S P A R GI 1040691 151 Q I P S R H V L C L P P R N V T L L Q E R A N K L V K Y L M SEQ ID NO-1
94 S Q A T T S T E S S V K D P V - - - A W E A G M L M H F I L GI 608993
120 L Q V L P D S E S L P R S E I - - - D E K V T D L V Q F L L GI 533511
138 T O A G T S I Q H T L K D P I - - - M R K A S V L I E F L L GI 1165170 ---PPAPAQLVQKAHELMWYVL GI 1040691 I K D Y K K I P I K R A D M L K D V I R E Y D E H F P E I I SEQ ID NO-1 R K Y K M R E P I M K A D M L K V V D E K Y K D H F T E I L GI 608993 F K Y Q M K E P I T K A E I L E S V I K N Y E D H F P L L F GI 533511 D K F K M K E A V T R S E M L A V V N K K Y K E Q F P E I L GI 1165170 V K D Q K R M V L W F P D M V K E V M G S Y K K W C R S I L GI 1040691 ERATYTLEKKFGIHLKEIDKEEHLYILVCT SEQ ID NO-1 NGASRRLELVFGLDLKEDNPSSHTYTLVSK GI 608993 SEASECMLLVFGIDVKEVDPTGHSFVLVTS GI 533511 RRTSARLELVFGLELKEIDPSTHSYLLVGK GI 1165170 RRTSVILARVFGLHLRLTNLHTMEFALV-- GI 1040691 241 R D S S A R L L G K T K D T P R L S - - - L L L V I L G V I SEQ ID NO-1
181 L N L T N D - - G N L S N D W D F P R N G L L M P L L G V I GI 608993
207 L G L T Y D - - G M L S D V Q S M P K T G I L I L I L S I I GI 533511
225 L G L S T E - - G S L S S N W G L P R T G L L M S V L G V I GI 1165170
173 K A L S P E E L D R V A L N N R M P M T G L L L M I L S L I GI 1040691

FIGURE 2A

Docket No.: PF-0179-2 DIV Inventors: Bandman et al. Title: NOVEL HUMAN MAGE-LIKE PROTEIN Serial No.: To Be Assigned

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268 F M N G N R A S E A V L W E A L R K M G L R P G V R H P L L SEQ ID NO-1
209 F L K G N S A T E E E I W K F M N V L G A Y D G E E H L I Y G I 608993
235 F I E G Y C T P E E V I W E A L N M M G L Y D G M E H L I Y G I 533511
253 P M K G N R A T E Q E V W Q F L L H G V Q G V Y D G M E H L I F G I 1165170
203 Y V K G R G A R E G A V W N V L R I L G L R P W K K H S T F G I 1040691

298 G D L R K L L T Y E F V K Q K Y L D Y R R V P N S N P P E Y SEQ ID NO-1
239 G E P R K F I T Q D L V Q E K Y L K Y E Q V P N S D P P R Y G I 608993
265 G E P R K L L T O D W V Q E N Y L E Y R Q V P G S D P A R Y G I 533511
283 G E P E E F I - R D V V R E N Y L E Y R Q V P G S D P P R Y G I 1040691

298 E F L W G L R S Y H E T S K M K V L R F I A E V Q K R D P R SEQ ID NO-1
269 Q F L W G P R A H A E I T K M K V L E F L A K M N N G A T P R G I 608993

295 E F L W G P R A H A E I T K M K V L E F L A K M N N G A T P R G I 608993

295 E F L W G P R A H A E T T K M K V L E Y L A K V N G S D P P R G I 533511

312 E F F W G S R A N R E I T K M K V L E Y L A K V N G S D P R G I 533511

326 E F F W G S R A N R E I T K M K V L E Y L A K V N G S D P R G I 533511

327 S F P L W Y E E - - - - - - A L R D E E E R A Q V R S S V G I 608993

328 A F P N L Y Q L - - - - - A L R D Q A - - - - - G G G I 1165170

329 A W P S R Y R E A L E Q A - R A L R E A N L A A O A P - - - G I 1040691

388 R T R M G I G D E A V S G P G A G M T L S L S C S C ID NO-1

320 R A R R R T T A T T F R A R S R A - P F S R S S H P M G I 608993

348 T D D T T A M A S A - S S S A T G - S F S - - - Y P E G I 533511

358 V P R R R V Q G K G V H S K A P - - - - S Q K S S N M G I 1165170

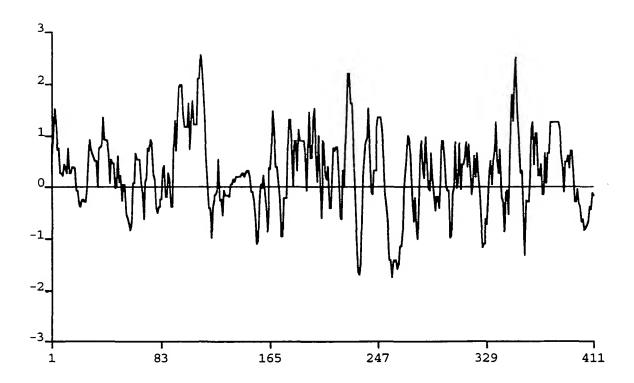
319 - - R S S V S E D
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FIGURE 2B

Docket No.: PF-0179-2 DIV Inventors: Bandman et al.

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Serial No.: To Be Assigned



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